Revolution of Hardcore Platform

Prima xpc Barebone
SP35P2 Pro

The Shuttle XPC Barebone SP35P2 Pro is a high performance platform based on Intels new P35 chipset optimized for latest Intel® Core™ 2 multi-core and upcoming 45nm processors up to 1333MHz. With numerous integrated features it offers outstanding connectivity, excellent reliability and exceptional flexibility - such as USB Speed-Link, fingerprint recognition, all solid capacitors, 8 GB memory support, Gigabit LAN, HD audio, eSATA and great tuning capabilities. All this makes this SFF platform the ideal choice for power computing users, multimedia entertainment enthusiasts and gamers who crave optimum PC performance for audio, video, digital design, and high-end gaming.

Note: optical drive sold separately. Images for illustration purposes only.

Feature Highlight

P2 chassis	• Black aluminum chassis • Drive bays: 1x 5.25“, 3x 3.5“
Chipset	• Intel P35 Express + ICH9R
CPU	• Socket 775 • Supports Core 2 Quad QX6xxx, Core 2 Duo E6xxx / E4xxx, Pentium Dual-Core 2xxx, Celeron 4xx • Supports 1333, 1066 and 800MHz FSB • Shuttle 3 zones heat-pipe cooling system
Slots	• 1x PCI-Express (x16), 1x PCI, 1x Mini-PCIe
Memory	• Supports 4x DDR2-667/800 DDR2-1066 in overclocking mode* • Up to 8 GBytes total size
Drive connectors	• 4x SATA (internal) + 2x eSATA (external) supports RAID 0, 1, 5, 10 and JBOD • 1x IDE ATA 100, 1x floppy disk drive
Pro-Features	• Fingerprint recognition technology • Speed-Link (connects 2 PCs via USB)
Other connectors	• 8-ch HD-audio, SPDIF in/out • 2x Firewire, GigaBit LAN • USB 2.0 (1x front, 6x rear, 4x onboard) • USB Speed-Link
Power supply	• 400 Watt ATX power supply (80 PLUS)
Application	• Gaming

Prduct ID: SP35P2 Pro
UPC (see bar code)

8 11686 00244 4

4x DDR2

intel P35 EXPRESS CHIPSET

intel Core 2 Quad inside

intel Core 2 Duo inside

intel Core 2 Extreme inside

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Shuttle XPC Barebone SP35P2 Pro – Special Product Features

Shuttle XPC Prima Series offering extreme performance

Shuttle has introduced the XPC Prima series, with its revolutionary high performance models, for professional and performance demanding applications whether they be at work, everyday or for high-tech gaming.

Supports 1333 MHz FSB and new upcoming 45nm processors

This Shuttle product supports the Intel® Core™2 Duo and Intel® Core™2 Quad processors with up to 1333 MHz front side bus and even the new upcoming 45nm Core™2 Multi-core processors. Multi core brings multi power!

OASIS Cooling Technology

The newly designed OASIS cooling technology deliver a unique system of heat-sinks covering the MOSFET modules, the north bridge as well as the south bridge that effectively dissipates heat without the use of fans. Featuring an all-new Heat pipe design, Shuttle OASIS allows users to enjoy longer component lifetime through lower temperatures, added system stability and silent operation.

80 PLUS® Certified Power Supplies

The 80 PLUS® performance specification requires power supplies in computers and servers to be 80% or greater energy-efficient.

Fingerprint reader

With an added a layer of security protection thru the integrated biometric fingerprint reader, you can keep your digital identity and data more secure and no longer worry about having to memorize for memorizing multiple passwords.

Innovative Speed-Link technology

File sharing among two PCs has never been easier with the innovative Speed-Link technology, simply connects both systems thru a USB cable without having the hassle of driver installation or worry about insufficient space of a DVD disc.

User Friendly Dynamic OverClock feature*)

The user can easily overclock the system through the bios from 3%,5%,7%,10%,15%, to 20%.

New Era of All-Solid Capacitor Shuttle Mainboards

By using all-solid capacitors Shuttle mainboards provide industry leading stability, reliability and longevity for PC gaming and entertainment systems. The average lifespan for a solid capacitor is more than six times greater than the more common and less expensive electrolytic capacitors.

***) Overclocking Warning:**
Please note there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using third-party overclocking tools. Overclocking may affect your system stability or even cause damage of the components and devices of your system. It is done at your own risk and expense. Shuttle cannot be held responsible for possible damage caused by overclocking.

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Shuttle XPC Barebone SP35P2 Pro Specifications

Special Pro-Features	Fingerprint recognition technology Speed-Link - easily connect 2 PCs via USB and share data
Chassis	P2-type aluminum chassis, color: black storage bays: 1 x 5.25", 3 x 3.5" (2 internal) stealthed drive doors dimensions: 32.5 x 22 x 21 cm (LWH) weight: 4.2 kg net / 6.0 kg gross
Mainboard	Shuttle FP35, Shuttle form factor, proprietary design for XPC SP35P2 Pro Chipset: Intel P35 Express (MCH, codename: Bearlake-X) + ICH9R (I/O Conroller Hub) Solid Capacitors for excellent heat resistance for enhanced system durability Color slots/connectors design (Power switch, USB, PCIe, PCI) Dimensions: 20.5 x 28 cm
Power Supply	400 Watt ATX mini PSU, AC input voltage: 100~240V 80 PLUS® certified (80% or greater energy-efficient) Dimensions: 85(W) x 83(H) x150(D) mm Connectors: 2x3 pin (CPU power), 2x4 pin (mainboard power) Active PFC circuit (Power Factor Correction)
Processor Support	Socket 775 supports Single, Dual and Quad Core processors from Intel with Core technology and 800, 1066 or 1333MHz front side bus: Supports Core 2 Quad QX6xxx, Core 2 Duo 6xxx/4xxx, Pentium Dual-Core E2xxx, Celeron 4xx Designed for the upcoming Intel 45nm Core 2 multi-core processors Supports Pentium 4/D processors at 800MHz FSB. Processors with 533MHz FSB are not supported. Please refer the support list for detailed processor support information.
*Over-clocking *)*	CPU frequency, CPU voltage, RAM frequency, RAM voltage Dynamic Overclock feature: Easily overclock from 3/5/7/10/15/20% through the BIOS.
Processor Cooling	New Shuttle I.C.E. heat-pipe module (Integrated Cooling Engine) SilentX Cooling and Noise Reduction Technology advanced Heatpipe technology, linear fan control. 3 independent cooling areas. OASIS Cooling Technology: additional fanless heat-pipe design covering the MOSFET modules (VRM), north- and southbridge
Memory Support	4 x 240 pin slots, supports Dual Channel supports DDR2-667/800 SDRAM memory (DDR2-1066 in overclocking mode*) max. 2 GB per DIMM, up to a total size of 8 GB

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Expansion Slots	1x PCI-Express x16 Steckplatz Supports Dual-slot (double-width) graphics cards 1x PCI 32 bit slot 1x Mini-PCIe x1 slot at the bottom of the chassis supports Intel Turbo Memory (codename: Robson)
8-channel Audio	7.1 channel High Definition Audio with Realtek ALC888 codec analog: line-out (8-ch), line-in, microphone, CD-in, AUX digital: optical S/PDIF-in, optical and coaxial S/PDIF-out
Gigabit-LAN Controller	Marvell 88E8056 Ethernet network controller With PCI Express interface IEEE 802.3u 1000Base-T compliant Supports 10 / 100 / 1.000 MBit/s opteration Supports Wake-on-LAN
Firewire-Controller	IEEE1394 Firewire controller TI TSB43AB22A Complies with 1394 OHCI specification revision 1.0 2 Firewire connectors (front and rear) Supports 400Mb/s, 200Mb/s, 100Mb/s data transfer rate
Drive connectors	Serial-ATA II, 3 Gb/s (300 MB/s) bandwidth 4x internal (SATA) plus 2x external (eSATA) Intel Matrix Storage Technology enabled striping and mirroring Supports RAID 0, 1, 5, 10 and JBOD on just two or three hard disk drives Supports Native Command Queuing (NCQ) 1x IDE ATA 100 drives (JMicron JMB368 Controller) 1x floppy disk drive
Front panel connectors	Microphone Headphone (Line-out) USB 2.0 USB Speed-Link with Speed-Link button Firewire (Mini 4 pin connector) Fingerprint recognition Power button Reset button Power indicator (blue LED) HDD indicator (orange LED)
Back panel connectors	6x USB 2.0 Firewire (6 pin) GigaBit LAN (RJ45) 2x External Serial ATA Hotplug (eSATA) 8-ch Audio line-out (2x rear/front, bass/center, surround/back) Digital Audio S/PDIF: optical in/out, coaxial out Audio Line-in Clear CMOS button Perforation for optional Wireless LAN Antenna

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Other connectors	4x USB 2.0 (two sets with 2x5 pins) 4x fan connectors (3x 4 pins, 1x 3 pins) Headers for PS/2 mouse and PS/2 keyboard
Accessories	XPC Installation Guide XPC 32/64bit Driver CDROM for Windows XP/Vista Data cables: 1x floppy, 1x PATA, 2x SATA (PATA/SATA preinstalled) Power Cord Screws, Heatsink Compound

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